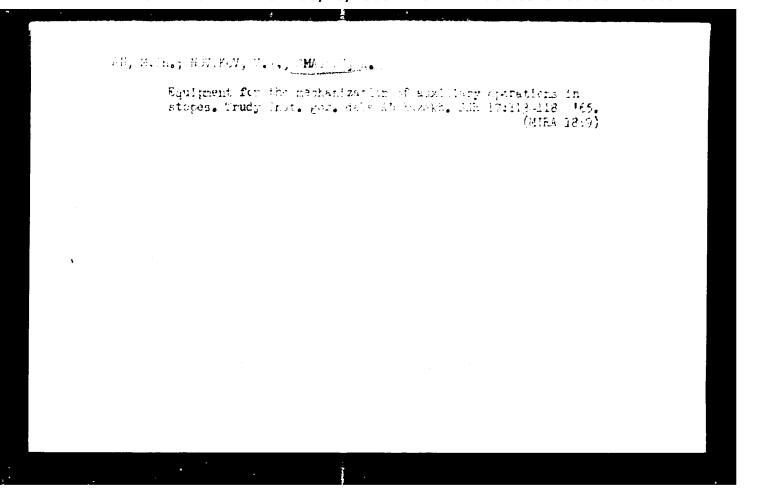
SMAILLEGOVIC, Fethulah, dr inz., prof., (Sarajevo, Vuka Karadzica 123)

Realization of the design, and determination of geometric elements, for the construction of a hyperboleid cooling tower. Tehnika Jug 18 no.9:Suppl.:Gradevinarstvo 17 no.9:1641-1647 S 163.

1. Visa geodetska skola, Sarajevo.



JANUSKEVICIUS, Z., prof.; SMAILYS, A., med. m. kand.

Heart massage. Sveik. apsaug. 8 no.4:20-24 Ap.63.

1. Kauno Valst. Medicinos institutas.

SMAILYS, A., med.m.kend.

Unfavorable effect of the transfusion of citrated blood on cardiac activity. Sveik. apsaug. 8 no.2:48 F'63.

1. Kauno Medicinos instituto hospitalines chirurgijos katedra.

HELLER, Jiri; SMAJOL, Frantisek

Scalants as a substitute for press mounting of antifriction bearings. Stroj vyr 12 no. 5.34%-350 My 164.

1. Naradi National Enterprise, zavod 6. Ceska Lipa.

SMAJIC, N.; DUBUVISEK, F.

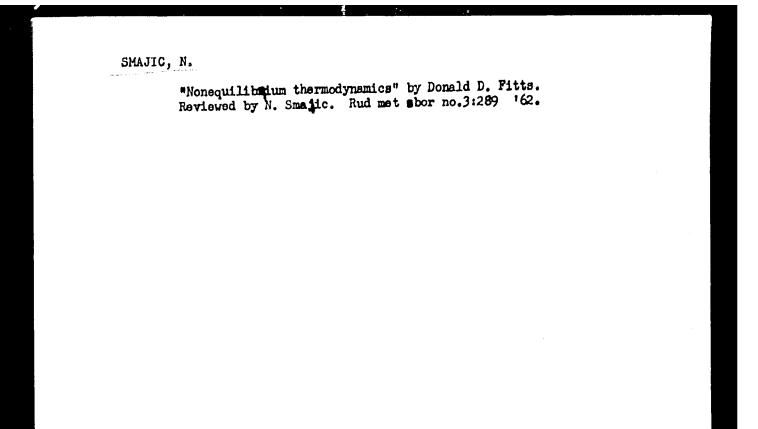
Mechanism of sintering ferrous oxides. p. 241.

RUDARSKO#METALURSKI ZBORNIK. (Ljubljana. Univerza. Fakulteta za rudarstvo, metalurgijo in kemijsko tehnologijo. Oddelek za rudarstvo in metalurgijo) Ljubljana, Yugoslavia, No. 3, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 6, June 1959.

Uncl.

"Atlas of defects in casting." 2d ed. Prepared by the Sub-Committee T. S. 9 of the Technical Council. Reviewed by N. Smajic. Rud met zbor no.1:53-54 '62.



SMAJIC, N.

"Mathematical methods for engineers and technologists" by P.I. Romanovski [Romanovskiy, Pavel Ignat'yevich]. Reviewed by N. Smajic. Rud met sbor no.3:291-292 162.

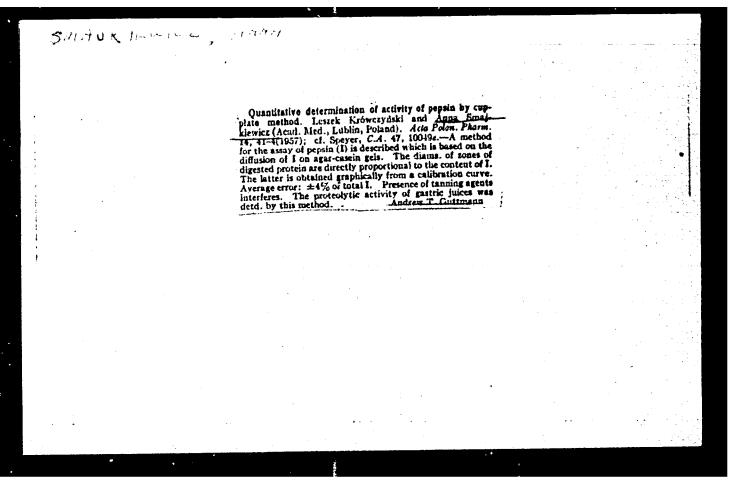
SMAJIC, N.

"Metallurgical principles for engineers. The control, manufacture, manipulation, and use of metals" by J.G. Tweeddale. Reviewed by N. Smajic. Rud met zbor no.3:292 162.

DOSOVISEK, Ecgovir, dr. ing., docent (Ljubljana); SMAJIC, Nijaz, irg. (Ljubljana)

Analysis of the influence of physical parameters of smaples on the value of the constant ϵK_B . Rud met zbor no.2:161-174 161.

1. Department of Mining and Metallurgy of the Faculty of Natural Sciences and Technology of the University in Ljubljana, Ljubljana, Askerzova 20; member of Editorial Committee, "Rudarsko-metalurski abornik; Mining and Metallurgy Quarterly" (for Dobevisek) 2. Metalurski institut, Ljubljana, Lopi pot 11 (for Smajic).



DMOWSKI, Gustaw; SMAJKIEWICZ, Ludwik

Bullous emphysema in the course of staphylococcal pneumonia. Polski tygod. 1ek. 13 no.52:2124-2128 29 Dec 58.

1. (Z I Eliniki Chorob Wewnetrznych; kierownik; prof. dr med. M. Kedra i z Zakladu Radiologii A. M. w Imblinie; kierownik: prof. dr med. K. Skorzynski). Adres: Imblin, i Klin. Chor. Wewn.

(ZMPHYSEMA, PULMOHARY, case reports

bullous, assoc, with micrococcal bronchopneumonia (Pol)) (BRONCHOPNEUMONIA, case reports

micrococcal, assoc. with bullous emphysema (Pol))

(MICROCOCCAL INFECTIONS, compl.

bullous emphysema assoc, with micrococcal bronchopneumonia (Pol))

KRYNSKI, Marian; SMAJKIEWICZ, Ludwik

A case of gastric beyoar. Polski tygod.lek.15 no.6:229-230 8 F '60.

1. Z II Kliniki Chirurgicznej A.M. w Lublinie; kierownik: prof. dr.med. Felika Skubiszewski i z Zakladu Radiologii A.M. w Lublinie; kierownik; prof.dr.med. Kazimierz Skorzynski.

(BEZOARS case reports)

KOROLKO, Andrzej; SMAJKIEWICZ, Ludwik

A case of abscess of the anterior mediastinum following dental infection. Polski tygod. lek. 16 no.49:1899-1901 4 D '61.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Lublinie; kierownik: prof dr med. Mieczyslaw Kedra i z Zakladu Radiologii A.M. w Lublinie; kierownik: z-ca prof. dr med. Kazimierz Skorzynski. (MEDIASTINUM dis) (ABSCESS etiol) (TEETH dis)

TPOLANI

PAPLINSKI, Ibigniak, SMAJKIENICZ, Ludwik and KLAMUT, Kazi-misto, lirat Sirgical Clinic (I Klinika Gilrurgicana) (Diametetri Proc. Dr. Tadeusz JACYNA-ONYSZKIENICZ) odd one no-parchent of Radiology (Nakiad Radiologia) (lirec on Docent, Dr. Mariaterz SKORAYNOST) both at the AM [anadonia Madyeana, Madical Academy] in Lublia

"Paget-Schrotter Syndrome. Seport of Four Cases."

Warsaw, Polski Tygodnik Lekarski, Vol 15, No 3, 14 Jan 63, pp 104-106.

Abstract: [Authors' English summary medified] Symptoms loading to diagnosis of the syndroms are described. Possible of loay suggested in only one case. Standard treatment restored use of limb, but did not diminish its enlargement. There are 8 references, of which 5 are Polish and 3 ace English.

11/1

22

A case of pulmonary sporgiosis in the course of Eundelloublete Christian disease. Icl. tyg. lex. 19 no.27:had-l44.6 S of the loc. Z Zakladu Radiologii Akademii Medyaznej w Iublinie (F et al doc. dr. med. E. Skorzyski), z Kliniki fiyzjatnycznej kouscii Medyaznej w Iublinie (Kierozniki doc. dr. med. E. Myakostowa z Zakladu Anatemii Patologizmej Akademii Medyaznej w Iuolicia (Elerozniki prof. dr. med. St.Manrburg).

FLORKIEWICZ Henryk; SMAJKIEWICZ, Ludwik

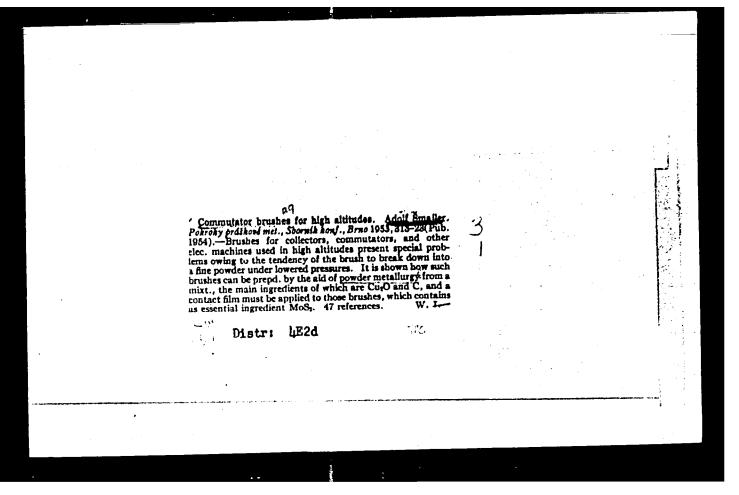
Pancreatic calcification. Pol. tyg. lek. 20 no.5:181-182 1 F'65.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w Lublinie (kierownik: prof. dr. med. Mieczyslaw Kedra) i z Zakladu Radio-logii Akademii Medycznej w Lublinie (kierownik: doc. dr. med. Kazimierz Skorzynski).

HYSAKOWSKA, Helena; PIETRON, Eugeniusz; SREDNICKA, Danuta; GRODZKI, Stanislaw; CYGAN, Edward; ROZYNSKA, Maria; SMAJKIEWICZ, Ludwik

Results of examinations of students 18 months after the conclusion of chemoprophylaxis. Gruzlica 33 no.7:601-604 Jl '65.

1. Z Katedry Ftizjatrii AM w Lublinie (Kierownik: doc. dr. H. Mysakowska) i z Akademickiej Poradni Przeciwgruzliczej w Lublinie (Kierownik: lek. E. Pietron).



SMAJIER, A. NOVOTNY, V.

Tech ical equipment of a short-circuit testing station. p. 9.

(Czechoslovak Heavy Industry. No. 5, 1957. Prague, Czechoslovakia)

SO: Monthly List of East European Accessions (EFAL) LC, Vol. 6, no. 10, October, 1957. Uncl.

SMAJLER, A. KATMIK. J. FOHTUT, J.

Methods of control and measuring in so re-circuit mesis. p. 24.

(Czechoslovak Heavy Industry. No. 5, 1957. Prague, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

(MLRA 9:9)

SMAK, Yu.; KRUSHEVSKIY, A.

Observations of CO Lacertae. Per. zvezdy 10 no.5:329-330

1'. Filial Varshavskoy observatorii v Ostrovike. (Stars, Variable)

155.

SMAK, J.

"The perpendicular distribution of interstellar calcium in relation to the area of the galaxy."

p. 15 (Postepy Astronomii) Vol. 6, no. 1, Jan./Mar. 1956 Krakow, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

SMAK, J.

"Photometric studies of the youngest constellations."

p. 17 (Postepy Astronomii) Vol. 6, no. 1, Jan./Mar. 1956 Krakow, Poland

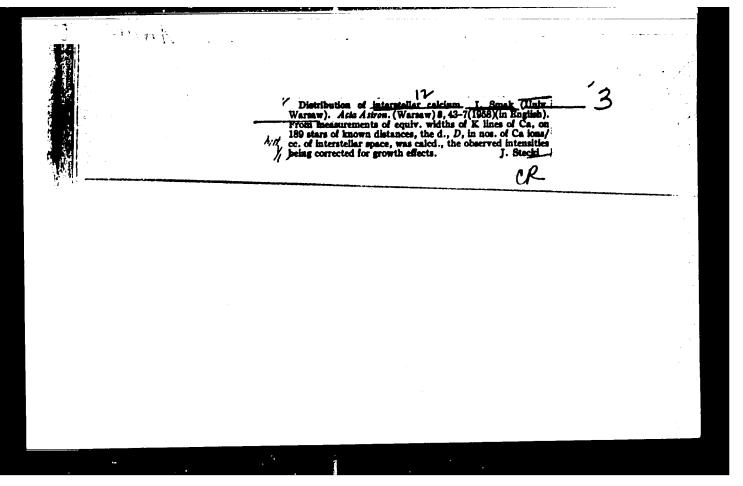
SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

Slikk, J.

"The classification of non-stable stars of the T Tauri type."

p. 22 (Postery Astronomii) Vol. 6, no. 1, Jan./Mar. 1956 Krakow, Poland

SO: Monthly Index of East European Accessions (EMAI) LC. Vol. 7, no. 4, April 1958



SMAK, J.

Occasional observations of eclipsing variables. Acta astronom 9 no.1:52 159.

1. Astronomical Observatory, University, Warsaw, and Institute of Astronomy, Polish Academy of Sciences, Warsaw.

William de

Thysical problem of stars in open proups. 4. 110

Production (Mchill. (relske Akaderia Nauk. Romitet Astronomii) Krakow, Poland, Vol. 7, no. 3, Apr./June 1959.

Monthly list of West European Accession (EFAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

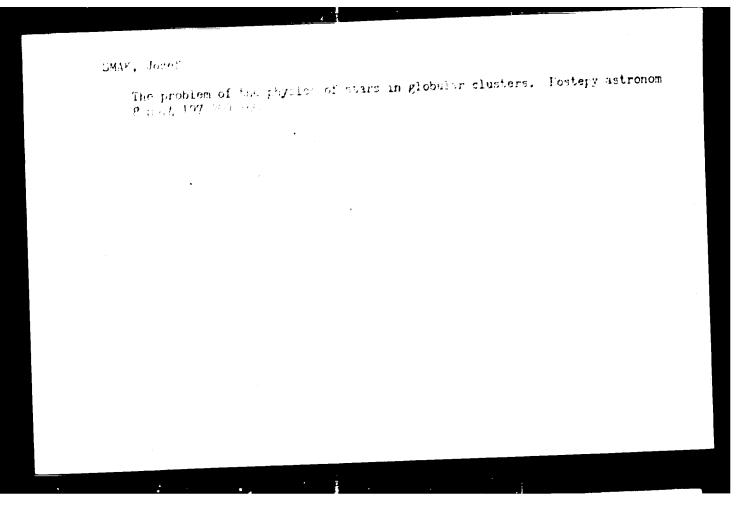
Jak, J.

Star joyul fiors; the Week of Studies of the Vatican Academy, May 1997. p. 133

Color of the Color of the Akademir Neuk. Komitet Astronomii) Krekov, Holend. Cl. S., no. 3, Apr./June 1959.

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Uncl.



89684

P/011/60/031/008/002/002 B115/B217

3,1540(1062,1128,1184)
AUTHOR: Smak, 16zef (War

Smak, Józef (Warszawa)

TITLE: Life of the Sun. I

PERIODICAL: Urania, v. 31, no. 8. 1960, 230-235

TEXT: The author of the present paper reminds the reader that coal, which we owe to the Sun, and the Sun itself, are two main sources of energy. The potential menace to human life would be the Sun's extinction on the one hand, and an increase of the solar energy, on the other. An attempt is made here to outline the Sun's life in past and future, and to draw resulting conclusions for life on the Earth. It is pointed out that all numerical data on stellar evolution are based upon the physical data on the efficacy, the extent, and the rate of atomic reactions which are known to form the energy source of the stars and the principal cause of their evolution. For the energy production of the Sun, the proton cycle is written and the mass loss connected therewith is explained. Thus, the solar mass is consumed uninterruptedly at a rate of 4 million tons each second. Within one billion of years, however, this will amount to merely the 6.6·10-14th part of the Card 1/3

89684

Life of the Sun. I

P/011/60/031/008/002/002 B115/B217

Sun's mass. Since the atomic reactions take place chiefly in the Sun's interior, the Sun will contain always less hydrogen and always more helium in the course of time. The problem as to whether the hydrogen deficiency and the helium excess in the interior of the stars will be balanced by the mixing of matter in the course of time cannot be answered directly. According to an estimation, however, this problem has no practical importance. The second problem, the stability of the solar mass, is the subject of several theories. The Soviet astrophysicists Fesenkov and Masevich have set up an evolution theory of stars, according to which all stars lose their matter which in the interior undergoes a complete mixing process. The latter assumption is at present considered to be wrong. The first point as well, the effect of corpuscular radiation, can be neglected, since estimations based both on solar observations and on geophysical data prove that compared with the total mass, the Sun suffers a merely inconsiderable loss. The same holds true for other stars as well. It is only at the stage of the red giants that the loss of mass becomes important, as their loss of matter is noticeable. By its assumption of the mass remaining unchanged the evolution theory reproduces the actual stellar state best, whereas other

Card 2/3

89684

Life of the Sun. I

P/011/60/031/008/002/002 B115/B217

theories are not able to explain certain facts. On the strength of the foregoing and with reference to S. Piotrowski's paper on the stellar structure, the author has developed his theory on the evolution of the Sun. Age "zero" was the moment when temperature and density in the shrinking protosun were sufficient to release the nuclear reaction. This was the beginning of a new energy source. From then on the Sun became luminous due to a modification of its chemical interior, involving changes of its other physical properties as well Theorists are now faced by the task of calculating the rate of the growth of heterogeneity in the Sun's interior on the strength of the physical data and of then designing a model of such a heterogeneous ball. A number of models illustrating the growing heterogeneity could, when compared to one another, represent the changes of the chemical composition and the physical parameters (brightness, extent, effective temperature) at different moments of the existence of the Sun. The author then repeats his opinion, that the evolution theory, although still young, is to be regarded as the safest and the most accurate of all theories of modern astrophysics. A judgment of the Sun's future on the basis of this theory will be as safe as on the basis of experimental data. J. Gadomski and S. Piotrowski are mentioned. There is 1 figure.

Card 3/3

SMAK, J.

Close binaries I; on the physical nature of R CMa stars. Acta astronom 11 no.3:171-179 '61.

1. Astronomical Observatory, University, Warsaw and Institute of Astronomy, Polish Academy of Sciences, Warsaw.

S/269/63/000/004/010/030 A001/A101

AUTHOR: Smak, J.

TITLE: A repeated discussion of the relationship P - (B-V) for variable stars of the RR Lyrae type in the globular star cluster M3

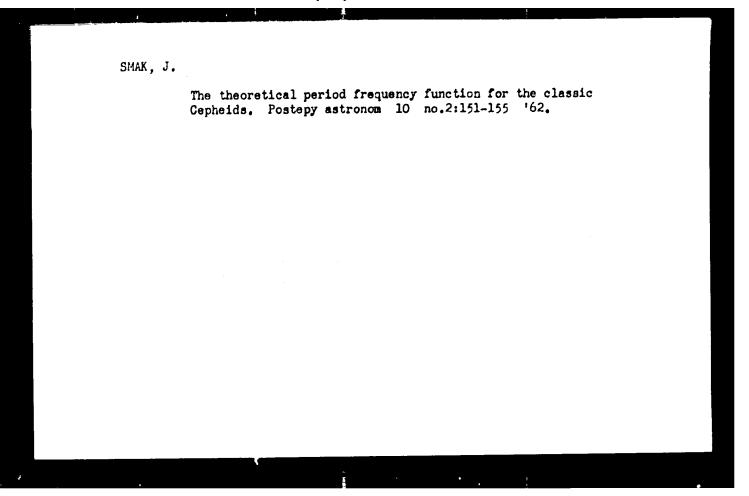
PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 4, 1963, 32, abstract 4.51.301 ("Postepy astron.", 1962, v. 10, no. 1, 87, Polish)

TEXT: The values of pulsation constant Q were calculated for two subtypes of RR Lyrae variable stars, ab and c. The results of calculations warranted the following conclusions: 1) the observed values of Q_{ab} and Q_{c} agree with the values obtained from the models which are the best in the physical and evolutionary sense; 2) the Q_{ab}/Q_{c} ratio does not confirm a conjecture by M. Schwarzschild that subtype c stars are pulsating in the first overtone.

W. Wisniewski

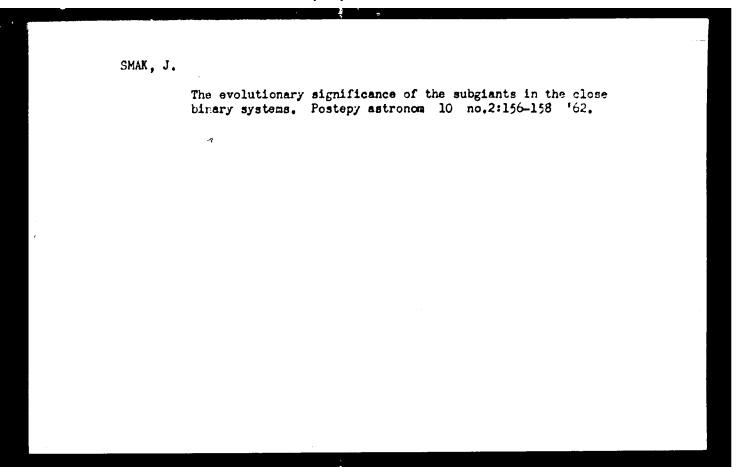
[Abstracter's note: Complete translation]

Card 1/1



SMAK, J.

The internal structure of the components of close binary systems of the R Canis Major type. Postepy astronom 10 no.2:155-156 '62.



The Ministers of the Control of the	On the shortcomings of the application of the Schott UG 2 filter for photometry UBV. Postegy astronom 10 no.3:253-256 '62.
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SMAK, J.

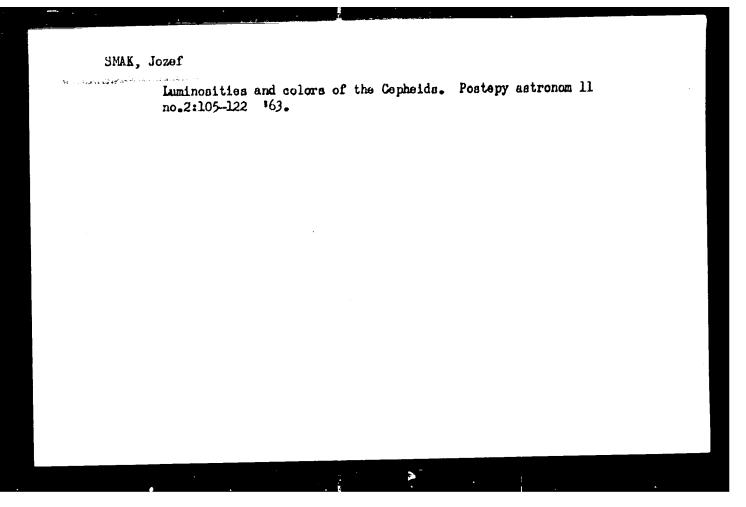
Close binaries. II. Acta astronom 12 no.1:28-54 '62.

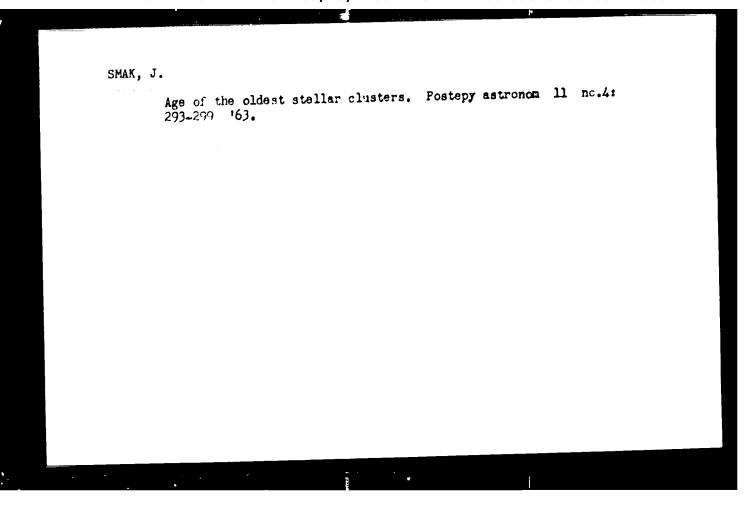
1. Astronomical Observatory, University, Warsaw, and Institute of Astronomy, Polish Academy of Sciences, Warsaw.

SMAK, J.

A theoretical period frequency function of classical Cepheids. Acta astronom 12 no.2:93-101 '62.

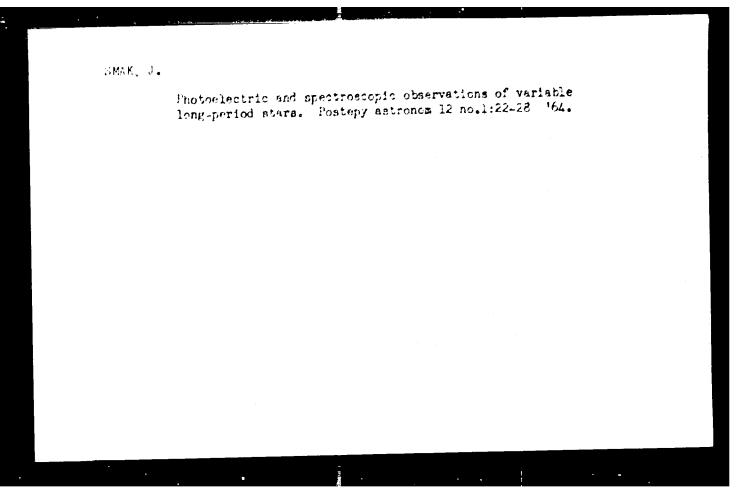
1. Astronomical Observatory, Warsaw University, and Astronomical Institute, Polish Academy of Sciences, Warsaw.

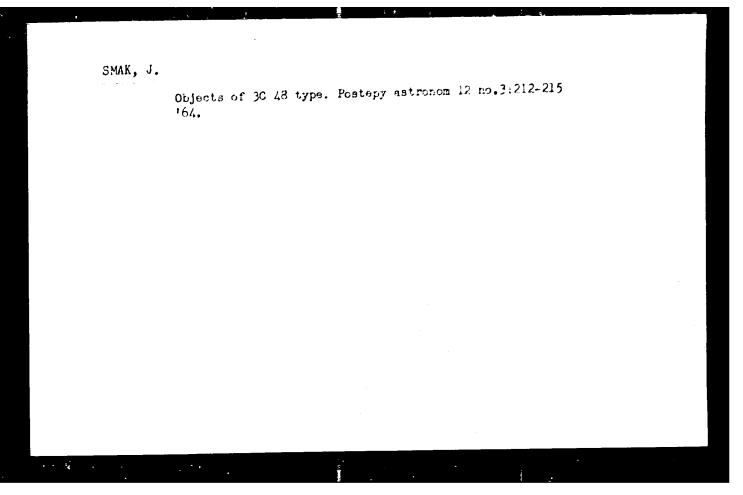


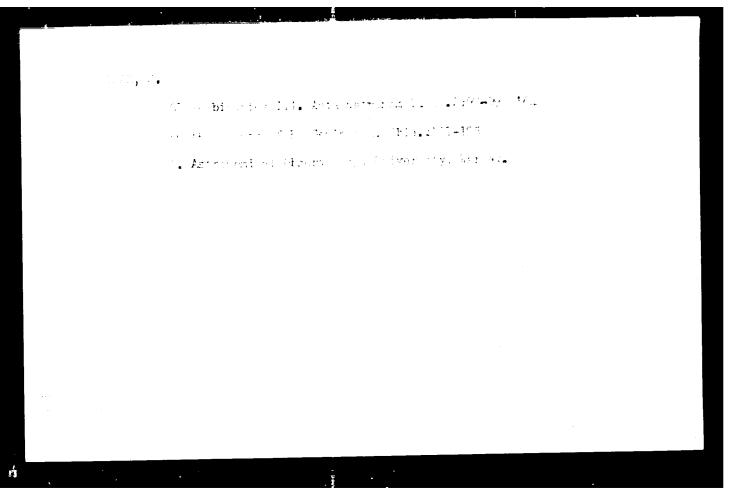


GRZMDZIELSKI, Stanislaw; SMAK, Jozef (Warszawa)

Birth and death of stars. "szechswist no.10:225-229 0 '63.



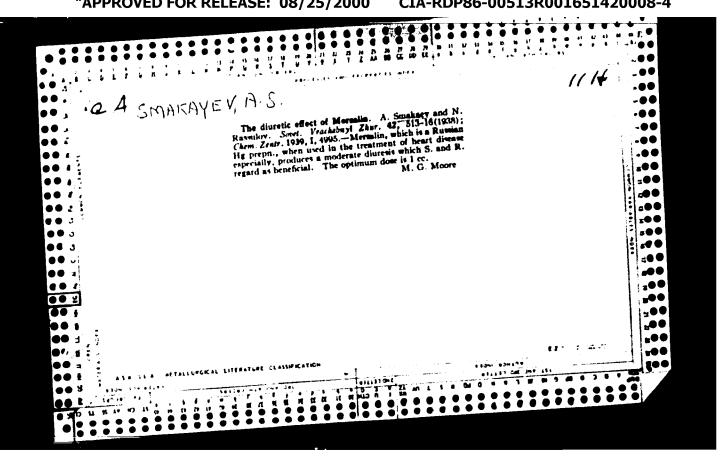




GRIGORYAN, K.A.; SHAK, Yu.M.

Polarization observations of stars in clusters NGC 2244 and NGC 2264. Soob.Biur.obser. no.28:3-7 *60. (MIRA 14:3)

1. Byurakanskaya astrofizicheskaya observatoriya Akademii nauk Armyanskoy SSR i Institut astronomii Pol'skoy Akademii manko (Stars—Glusters)



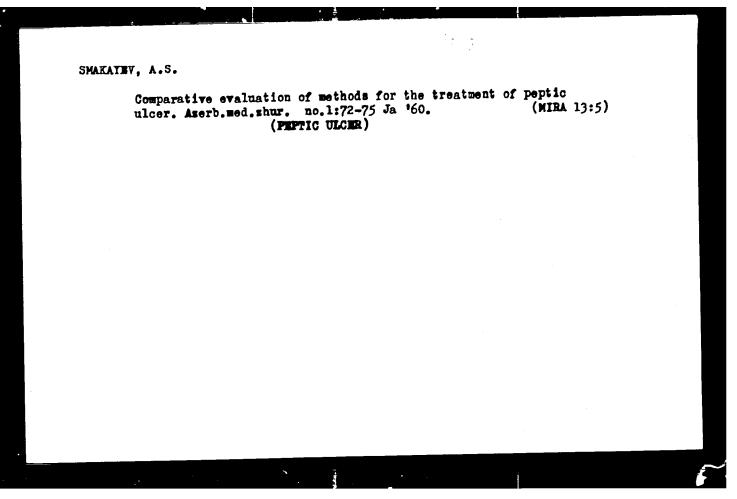
SMAKAYEV, A.S., kand.med.nauk; FARADZHEV, I.D.

Hemolytic jaundice with hemoglobinuria. Azerb.med.zhur.

(MIRA 12:6)

no.3:79-81 Mr 159.

1. Iz Sumgaitskoy gorodskoy bol'nitsy (glavvrach - Sh.Z.Muradov).
(JAUNDICE) (HEMOGLOBINURIA)



RUSIYA, Zaur; KHURTSILAVA, Gigla; SMAKHARADZE, Kukuri; MIKAYA, Zurab; SIRADZE, Bondo; AVAZASHVILI, Guguli; PIRTSKHALASHVILI, Favle; TATUASHVILI, Ansor

Search goes on. Sov. profsoiusy 18 no.5:16-18 Mr '62. (MIRA 15:3)

1. Zavod "Elektroavtomat", g. Tbilisi.
(Tiflis-Labor and laboring classes)

Knik you had a 1:

137-1957-13 23305 D

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 64 (USSR)

AUTHOR:

Smakhtin, L. A.

TITLE:

The Measurement of the Partial Vapor Pressures of Gold, Silver,

and Copper in Solid Solutions A-P and A-S (Izmereniye

partsial nykh davleniy para zolota, serebra i medi v tverdykh

rastvorakh A-P i A-S)

ABSTRACT:

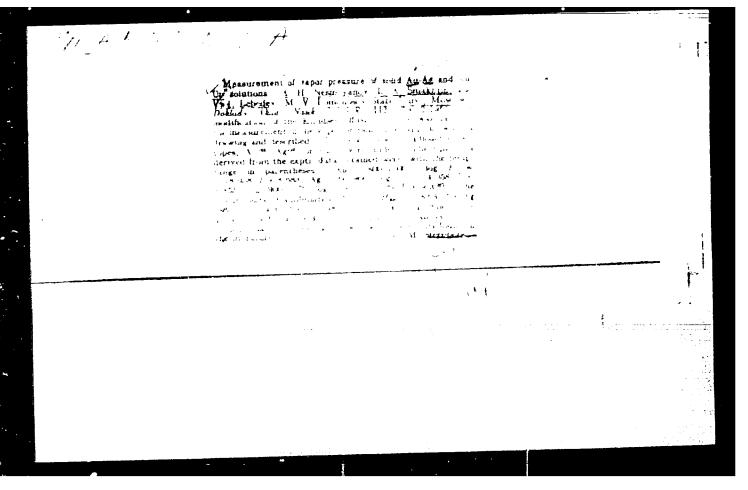
Bibliographic entry on the Author's dissertation for the degree of Candidate of Chemical Sciences, presented to the MGU (Moscow

State University), Moscow, 1957.

ASSOCIATION: MGU (Moscow State University)

1. Gold-Vapor pressure-Modsurement 2. Copper-Vapor pressure-Medisurement 3. Silver-Vapor pressure-Medisurement

Card 1/1



SOV/76-33-2-17/45
Negmeyanov, An. N., Smakhtin, L. A., Choporov, D. Ya.,
Lebedev, V. I.

TITIE:

An Investigation Into the Thermodynamics of Solid Solutions
of Tola, Silver, and Copper I (Isoledovaniye po termodinamike
tverdykh restvorov zolota s serebrom i med'yu I)

EDMINDID L: Churnel finishedboy khimii, 1959, Vol 73, Nr 2, pp 342 - 348 (EDSR)

Because the components of solid colutions have such an exceptionally low vapor pressure investigations of the thermodynamic properties of such solutions by measurement of the partial pressure are very difficult. These measurements could be facilitated by the use of radioactive isotopes. In this paper data are given for the vapor pressure of solid Au, Ag, and Cu, since the literature data for the pressure of saturated vapor of these metals are very contradictory. Fure metals (99.9.2) and the radioactive isotopes Au198, Ag110, and Cu64 were used. The vapor pressure was measured using the effusion method of Knudsen and an appropriate apparatus (Fig 1). The effusion space was produced from molybdenum. From the experi-

an Investigation Into the Thermodynamics of Solid Schutiche of Told, Silver, and Copper I

SOV/76-33-2-17/45

(Ref 11) and in the present paper are in good agreement.
The values given by Downing, Edwards and Heriek (Douning, Edwards)(Ref 12) are too high and those by Harteck are too low. The most reliable data for liquid Cu are those given by Hersh. There are 4 figures, 3 tables, and 12 references,

2 of which are Soviet.

ACTOTILTION:

Mockovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Loccow State University imeni M. V. Lomonocov)

SUPSITTED:

July 9, 1957

Cord 3/3

 5(4), 18(6) AUTHORS:

sov/76-35-3-15/41

Nesmeyanov, An. N., Smakhtin, L. A., Lebedev, V. I.

Investigation of the Thermodynamics of Solid Solutions of Gold With Silver and Copper. II (Issledovaniye po termodina-TITLE:

mike tverdykh rastvorov zolota s serebrom i med'yu. II)

Zhurnal fizichoskoy khimii, 1959, Vol 33, Nr 3, PERIODICAL:

pp 599 - 606 (USUR)

In a previous paper (Ref 1) investigations were carried out on the pressure of saturated vapors of solid Au, Ag, and Cu ABSTRACT:

by means of radioactive isotopes Au 198, Ag 110, and Cu 4 according to the Knudsen method. In the present paper experimental results are described concerning the partial pressures of gold, silver and copper in solid solutions. The experimental data (Tables 1,2) were worked out according to the method of the least squares and represented as straight

lines $\lg P_i = A + B/T$. The activities in the case of 1250

and 11110K were calculated from the equations for the pressure of the saturated vapors of the pure metals and the partial

Card 1/3

Investigation of the Thermodynamics of Solid Solutions SOV/76-33-3-15/41 of Gold With Silver and Copper.II

pressures in the case of Au, Ag, and Cu in the alloys Au-Ag and Au-Cu. By means of the experimentally obtained values of the activity coefficients (Tables 1,2) and the equation according to Gibbs-Duhem both activity coefficients in the concentration range of from 0.2 N_i to 0.8 N_i were calculated according to the method of successive approximations at graphic integration. Equations on the relation between the activities of the components of the alloys and the temperature in form of linear functions lg a 1/T were calculated from the values of the activity coefficients for the two above-mentioned temperatures (Tables 3,4); herefrom several thermodynamic partial and integral functions of solid solutions (Tables 5,6) were derived. The majority of the results obtained is in good agreement with the publication data. On comparing the experimental results obtained with the approximations of the theory of solid solutions only a qualitative agreement was to be observed which means a limited applicability of these approximations. The observed excess entropy of mixing is considered to be due to the Yariation

Card 2/3

Investigation of the Thermodynamics of Solid Solutions SOV/76-33-3-15/41 of Gold With Silver and Copper.II

of the oscillation frequency of the atoms in the crystal lattice on the transition metal —) alloy. There are 4 figures, 8 tables, and 16 references, 4 of which are Soviet.

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonesova

(Moscow State University imeni M. V. Lomonosov)

SUBMITTED:

July 9, 1957

Card 3/3

\$/032/60/026/011/001/035 B0:5/B066

AUTHORS:

Rakovskiy, E. Ye., Smakhtin, L. A., and Yakovlev, Yu. V.

TITLE:

Determination of Microimpurities in High purity Antimony 27

by Means of Radioactivation Analysis 19

PERIODICAL:

Zavodskaya laboratoriya, 1960, Vol. 26, No. 11, pp. 1199-1200

TEXT: The radioactivation analysis of antimony according to A. Kulak (Ref. 4) cannot be applied to determine impurities in light elements. The authors describe such a method for the determination of phosphorus, chromium, manganese, copper, zinc. gallium, and arsenic impurities in high purity samples of antimony. The method consisted of a comparison with standard samples. The sample and the standard were exposed to a neutron flux $(8.7\cdot 10^{12} \text{ n/cm}^2 \cdot \text{sec})$ for 20-48 h. The elements to be determined were divided into two groups, i.e. Mn. Cr. Zn and Ga on the one hand, and P, Cu, and As on the other. To analyze the former group. the sample is dissolved in aqua regia after irradiation, evaporated antimony is precipitated with H2S, the solution is evaporated to dryness

Card :/3

Determination of Microimpurities in High-purity Antimony by Means of Radioactivation Analysis S/032/60/026/011/001/035 B015/B066

taken up in hydrochloris acid, and the resulting solution is passed through a solumn with the Dower 1. X8 anion exchanger which absorbs Ga and Zn. Ga is then eluted with 1-2 N HCl. Zn with water. Mn and Cr which are not absorbed by the exchanger are precipitated with H₂S in ammoniabal medium as sulfide and hydroxide, respectively, and finally isolated; Mn in the form of MnNH₄PO₄, and Cr as barium chromate. In the test for Cu, P, and As, after dissolution of the irradiated sample As is isolated as arsenic bromide. Cu is separated as CuCNS, and the phosphate is isolated as magnesium ammonium phosphate after purification on the Ky-2 (KU-2) cation exchanger. The test samples as well as the standard samples were measured by means of a CM-2E (SI-2B) Geiger counter with an accuracy of about 15%. The following determination accuracies were found:

3-10-5 Mn 3.5-10-6 Cu, < 8-10-7 Zn, 4-10-5 As, < 8-10-6 P,

< 5-10-4 Cr and < 3-10-7 Ga. With the separation scheme described radiochemically pure preparations can thus be obtained. There are 4 references. 3 Soviet and 1 British.

Card 2/3

Determination High-purity A Radioactivati	of Micreimpurities is ntimeny by Means of on Analysis	s/032/6 0 /026/011/001/035 B015/B066	
ASSOCIATION:		liticheskcy khimii Akademii nauk ogo (Institute of Geochemistry and oni V. I. Vernadskiy of the Academy	— <u>V</u>
Card 3/3			

SMAKHTINA, O.L.

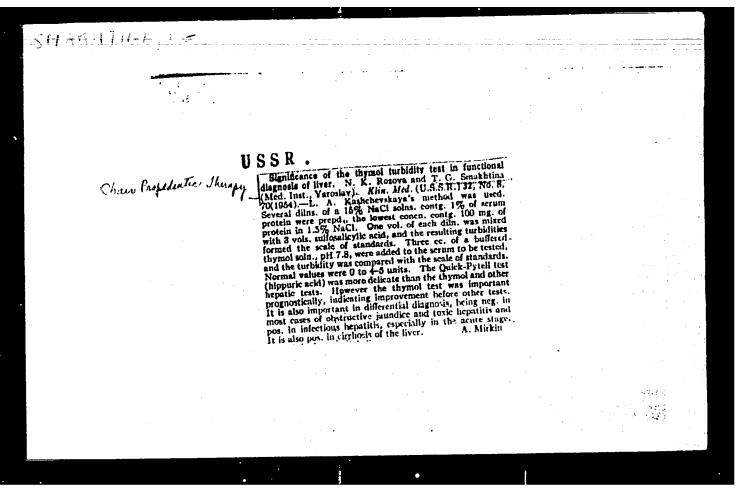
Oncological diseases in women employed in the tobacco industry. Zdravookhr. Kazakh. 23 no.1:27-30 163 (MIRA 17:2)

1. Iz Kazakhskogo instituta onkologii i radiologii.

GMAKHTIM, t. M.

PATERION, O. P., SEMASHKO, S. A., and <u>SMAKHTINA, t. H.</u> "Increased sensitivity to the Kherst reaction and its practical significance for diagnosing epidemic grippe", Yourosy med. virusologii, Issue 1, 1068, p. 181-89.

SU: U-3042, 11 March 53, (Letopis 'nykh Statey, ho. 10, 1949).



The CHOPT, 1.0. Galkina, a Ga. Yapremov, 1.1. Smakhtina, Yu.B.: Komiosarova, M.1. Sovetova, L.fe.; Chistikova, A.I., Shekhova, A.B.

Miffectiveness of ambulatory treatment of cholelithiasis rations at Abeleznovodsk Health Rescrit, Shor, nauch. rab. vrich. san.-kur. urar. profesiuzov no.1:121-125 164. (MIPA 18:10)

1. Theleznodorozhnaya kurschnaya poliklinika (glevnyy vrach I.I. Yefremov).

1, 442229-66 FIVE (1)/EVP(m) SOURCE CODE: UR/3149/66/000/003/0099/0105 ACC NR: AT6023748 Palatnik, I. B.; Smakov, Z. AUTHOR: ORG: none TITLE: The use of methods of an equivalent problem of the thermal conductivity theory for studying the jet discharging from a complex nozzle SOURCE: Alma-Ata. Kazakhskiy nauchno-issledovatel'skiy institut energetiki. Problemy teploenergetiki i prikladnoy teplofiziki, no. 3, 1966, 99-105. TOPIC TAGS: heat conductivity theory, complex nozzle, flow field, flow dingity goal at ABSTRACT: Experimental data on the distribution of the pulsed flow density and enthalpy in the flow field of a submerged, slightly heated jet, issuing from a cross-shaped nozzle is compared with a solution obtained using the method of an equivalent problem of the thermal conductivity theory. It is demonstrated that this method can be used to calculate the flow fields under conditions where other calculation methods can not be applied. Orig. art. has: 5 figures and 8 formulas. [AV] SUBM DATE: none/ ORIG REF: 005/ SUB CODE:3021/ Card 1/1/17

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Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 12, p 326 (USSR)

AUTHORS:

Belyayev, G.I., Smakota, N.F.

TITLE:

Effect of Some Surface-Active Additions on the Quality of Primer

Enamels

PERIODICAL:

Tr. Dnepropetr. khim.-tekhnol. in-ta, 1958, Nr 6, pp 120-130

ABSTRACT:

It has been established that additions of small quantities of surface-active substances: metal sulfides (Sb₂S₃, CuFeS₂, ZnS, PbS, FeS₂), Cr₂O₃ and chromite ores to boron-free frit considerably improve the wetting and spreading capacities of the primer smelt on steel, reduce the oxidizability of the steel surface during burning of the primer coating and reduce the burnt places in the boron-free primer enamel. The substitution of feldspar during grinding by ground quartz sand with simultaneous addition of metallurgical magnesite powder or ground magnesite or chromomagnesite brick (1.5 - 3.0%) to the dross, positively affects the quality of boron-free and low-boron enamel coatings.

Card 1/1

G. Gerashchenko

BELYAYEV, G.I.; SHAKOTA, m.r.

Effect of steel on certain properties of ground emands.

Trudy IKHTI no.6:131-143 '58. (HIRA 13:11)

(Enamel and enameling) (Steel)

BELYAYEV, G.I.; SMAKOTA, N.F.

Effect of the crystallization of frit on the properties of enamel primer. Zhur.prikl.khim. 31 no.11:1744-1746 N 158.

(MIRA 12:2)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut. (Frits) (Enamel and enameling)

HELYAYEV, G.I.; SMAKOTA, N.F.

Effect of ferric oxide on the properties of ensmel primers with and without boron. Zhur.prikl.khim. 31 no.12:1792-1799 D 158.

(MIRA 12:2)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.
(Iron oxides) (Enamel and enameling)

EELYAYEV, G.I., doktor terhn.nauk; BELTY, Ya.I.; SMAKOTA, N.F.

Effect of clay on some properties of enamel. Stek. i ker. 19
no.6:29-31 Je '62. (MIRA 15:7)

(Enamel and enameling) (Clay)

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ACCESSION NR: AT4030807

AUTHOR: Belyayev, G. I.; Smaketa, M. P.; Verbitskiy, P. G.; Berinev, Te. D.

TITLE: On the interaction of berecilicate melts with certain metals and exides

SOURCE: AM UkrSSR. Institut metallekeramiki i spatsial'ny*kh splavov. Poverkhnostny*ye yevleniya v rasplavakh i protesesakh porochkovoy metallurgii (surface phenomena in liquid metals and processes in powder metallurgy), Kiev, Izd-vo AM UkrSSR, 1963, 262-272

TOPIC TAGS: borosilicate, oxide, vitreous covering, metal ceremic material, silicate, steel, sodium borosilicate glass

ABSTRACT: In this paper the authors studied the process of the reaction of steel with sodium borosilicate glasses of different acidity. It was shown that in compositions of metal glass at high temperatures, a chemical reaction of phases occurs which is accompanied by the solution of the metal, the enrichment of the alloy by its oxides, and a separation of gases which leads to the expansion and formation of a foamy structure near the interphase boundary. It was established that the nature of the silicate melt has a considerable effect on the speed of dissolution of the steel samples; the solubility of steel increases with an increase in the alkalinity

Card 1/2

ACCESSION NR: AT4030807

of the glass. The intensity of the expansion of the borosilicate alloy rises with the increase of the glass alkalinity. Metals have a great effect on the expansion. An insignificant expansion of the alloy was observed in the reaction with nickel, copper, and molybdenum; compositions consisting of glass with powdered iron, cobalt, or chromium additives, expand strongly. It was shown that the solubility of the iron oxides decreases with an increase in the acidity of the glass. In pure boron anhydride, ferric oxide practically does not dissolve. Orig. art. has: 11 figures and 1 table.

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskiy institut (Dnepropetrovsk Chemical Engineering Institute)

SURMITTED: 23Mov63

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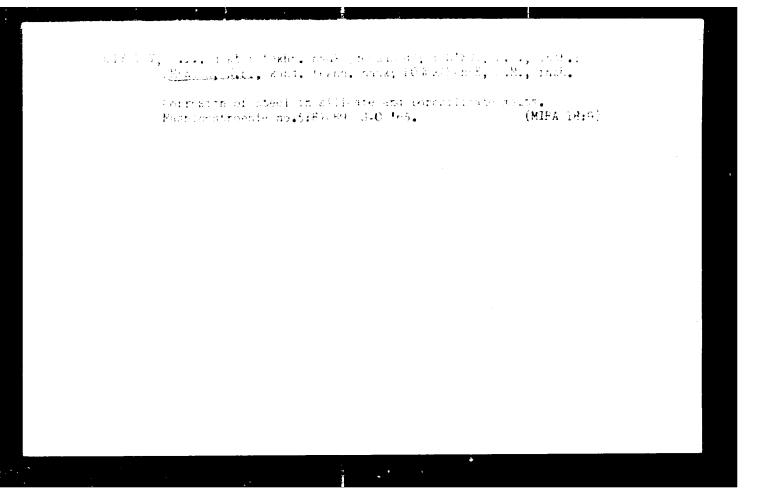
BELYAYEV, G. I.; SMAKOTA, N. V.

"On connection of EMF, acidity and some properties of enamel glasses containing MeO type oxides of metals."

report submitted for 4th All-Union Conf on Structure of Glass, Leningrad, 16-21 Mar 64.

IJP(c) **L** 36367-66 EWI(m)/EWP(e)/EWP(t)/ETI WH/JD/WB SOURCE CODE: UR/0081/65/000/020/M010/MQ10 ACC NR: AR6012431 39 AUTHORS: Belyayev, G. I.; Smakota, N. F. TITLE: Interaction of glasses of the Na20 - B203 - SiO2 system with iron, steel, and other metal oxides SOURCE: Ref. zh. Khimiya, Abs. REF SOURCE: Sb. Stekloobrazn. sostoyaniye. T. 3. Vyp. 4. Minsk, 1964. 93-97 TOPIC TAGS: iron, steel, borate glass, solubility, electromotive force metal oxidation enrichment of the melt by its oxides, ABSTRACT: Metal dissolution, and gas evolution occur in metal-glass compositions at high temperatures, which can lead to swelling and formation of a foamy structure close to the interphase boundary. It is established that the nature of the silicate melt has a significant effect on the rate of metal dissolution With an increase in glass alkalinity, the metal corrosion losses increase. The swelling intensity of a borosilicate alloy grows with increased glass alkalinity. At the same time the boiling of the melt depends on the metal: an insignificant increase in the volume of the alloy is observed at the interaction with Ni and Cu. Compositions Cord 1/2

ACC NR: AR6012	2431			2
acidity. In shows the in shown that t determine th	of glass with addition the solubility of Fe a pure B ₂ O ₃ . Fe a compatibility of Fe ₂ the method of electronic relative acidity Authors summary. [oxide is almost in the control of borate glasses.	nsoluble, which ate glass. It be applied to Bibliography	glass h is
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KAYBICHEVA, M.N.; MAR'YEVICH, N.I.; TULIN, N.A.; SMAKOTIN, I.V.; LANDE, P.A.; TEREKHINA, P.Ya.

Service of unburned magnesite-chromite adapter bricks in electric furnace walls. Metallurg 7 no.8:16-18 Ag '62. (MIRA 15:9)

1. Vostochnyy institut ogneuporov i Chelyabinskiy metallurgicheskiy zavod.
(Electric furnaces) (Refractory materials)

Conference on the automation of processes in the chemical industry.

Rhim.prom.no.6:381-382 S '56. (MIRA 10:2)

(Automatic control)

SOV/112-59-4-7664

Translation from: Referativnyy shurnal. Elektrotekhnika, 1959, Nr 4, p 174 (USSR)

AUTHOR: Smakov, M. M.

TITLE: Special Devices and Means of Automation in the Soviet Chemical Industry

PERIODICAL: V eb.: Aytomatiz. hhim. i koksokhim. proiz-v. M., Metallurgizdat, 1958, pp 249-297

ABSTRACT: The following special devices and automatic means developed by OKBA, MKhP, UNIKHIM, and GIPKh are described: PGF portable gas analyzers, SGG2-V2-B and SGG2-V4A automatic signaling devices, TKhG-5 thermochemical gas analyzers, DPG5-52 depolarization-type gas analyzer for oxygen, EKhG-2 and EKhG-3 electrochemical analyzers, TKG-4 and TKG-5 thermoconductometric gas analyzers, GE-U2 electric gas analyzer, magnetic gas analyzers for oxygen, AFK-3 photoelectric colorimeter, GIP-5 IF-absorption gas analyzer, LLPU-2 laboratory-type pH-meter with a glass electrode, KSO-3 sulfuric-acid and oleum concentration meter, SK-4 effluent-

Card 1/2

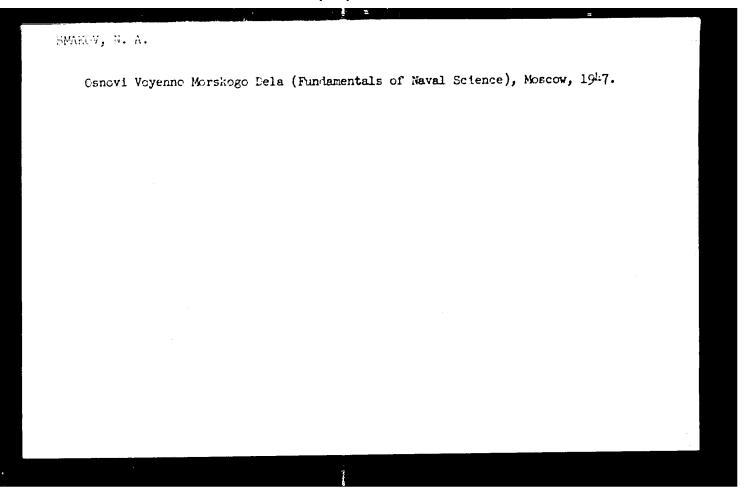
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SOV/112-59-4-7664

Special Devices and Means of Automatica in the Soviet Chemical Industry acidity signaling device, PM piezometric density meters for liquids, KRP neutralization controller, PIR-2M, PIR-3, and PIR-4 pneumatic rate-of-flow indicators, RM-1, RM-3, and RM-4 slot-type piezometric discharge meters, EMID-4 low-pressure instruments, RUP1-320 level controller for high-pressure tanks, KFM, PMK-320, and KNM-50s regulating valves. Fifty-two illustrations. Bibliography: 7 items.

A.A.S.

Card 2/2



SMAKOVSKIY, L.I.

Transportation of sugar beets and bagasse in containers. Sakh.prom.30 no.6:35-36 Je 156. (MLRA 9:9)

1.Dubovyasovskiy sakharnyy savod. (Sugar beets--Transportation) (Containers)

J/032/62/028/003/017/017 B104/B102

.. TTHO:

Smakovskiy, V. Ye.

TITLE

Ballistic ram impact machine for testing pure bending under

impact

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 3, 1962. 369-373

TEXT. The ram impact machine described has a maximum impact energy of 40 kgm. It consists of a stand, a ram, an antiram, and a clamping device with an arrangement for optical recording of vibrations during impact. The angle through which the ram is shifted before a run is indicated by a pointer in the usual way. After the ram has impinged upon the test piece, the antiram is chifted from its normal position through a certain angle. This angle is also indicated by a pointer. The test pieces can be subjected to an initial static load in the clamping device. The fest pieces are fixed in the bushings of the clamping device by means of their tenical heads (Fig. 2, Table). The arrangement for the optical recording of the process of impact consists of a light source, a metal mirror mounted one of the bushings of the clamping device, and a camera. Inside the first 1/3 and 1/

3/032/6:/0:6/103/017/017 B104/B102

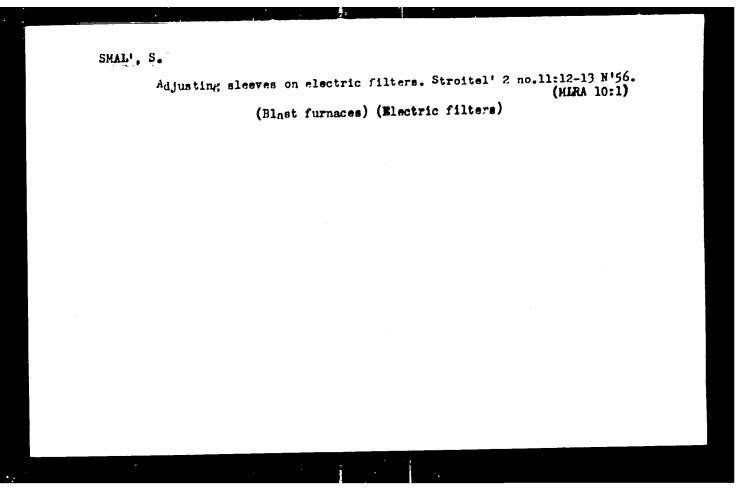
Pallic to ram impact machine for ...

camera there is a drum 35 mm in diameter and 180 mm long. This drum is driven by an electric motor at the following circumferential speeds: 0.22, 0.33, 0.44, and 0.55 m/sec. The light coming from the mirror passes through a shutter, falls on a lens, and is transmitted to the drum. The deviations of the light beam produced by vibrations during the impact are recorded on a photographic film on the drum of the samera. The recording device is calibrated by means of static deformations. There are 5 figures. I table, and 5 references. 4 Soviet and 1 non-Soviet. The reference to the English-language publication reads as follows. H. V. Soutwell. The Oxford impact machine, Engineering, 140, 54 (1935).

ASSOCIATION. Institut stroitelincy mekhaniki Akademii nauk USSR (Institute of Construction Mechanics of the Academy of Sciences UkrSSR)

Fig. 2 Dimensions of test pieces in mm. Table. Dimensions of test pieces.

Card Off D



Using trolley wires as a power supply for gantry crans motors.

Nekh.stroi. 13 no.10:23-24 0 '56. (MLRA 9:11)

(Cranss, derricks, etc.)

(Electric lines---Overhead)

SMAL', S.I.

Semisutematic sling repes for mounting steel and reinferced concrete construction elements. Stroi.prem.34 ne.7:11-15 J1 *56. (MIRA 9:9)

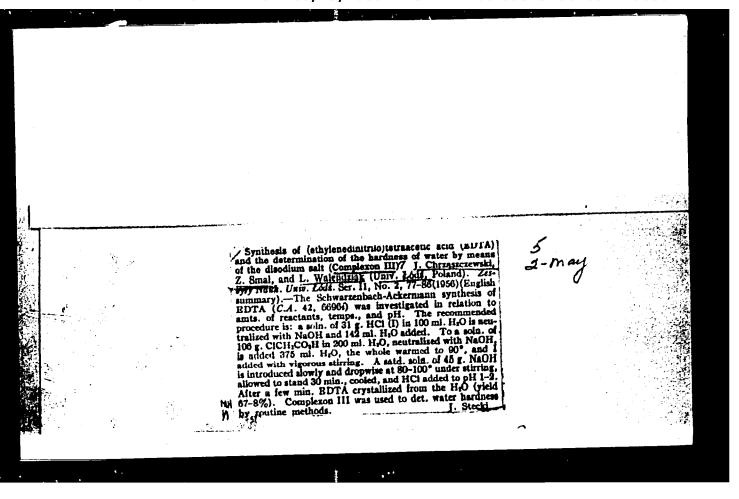
1.Glavmyy mekhanik tresta Uralstal kenstruktsiya. (Wire repe) (Heisting machinery)

ARTOBOLEVSKIY, A. (Minsk); SMAL', V. (Minsk).

"Victory"; motion-picture theater in Minsk. Kinomekhanik no. 1:
1:7-8 Ja '55.

(MIRA 8:2)

(Minsk-Motion-picture theaters)



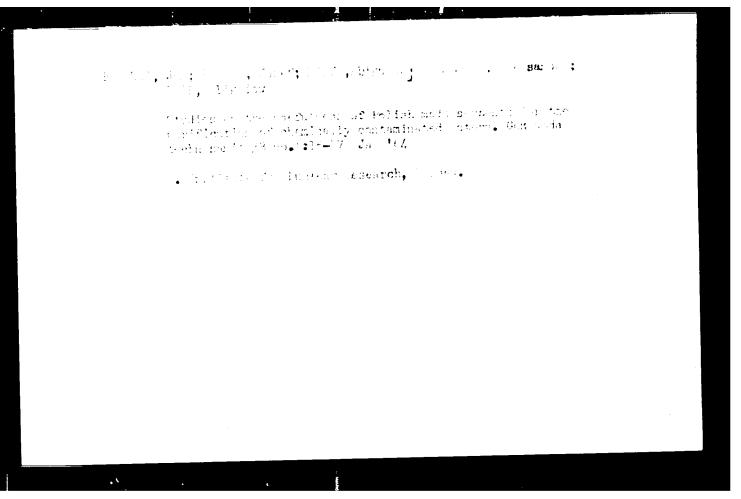
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11976-65 EWT (m) / EWG (m) Peb DIAAP RNH/RM CCESSION NR: AP5012525 PO/0046/64/009/009/0733/0744 70 CCESSION NR: AP5012525 Pulanda, Jan (Bulyanda, Ya.); Horaki, Jozef		
UTHOR: Smal, Zbighlev (Smaller (Semashko, A.) Forski, Yu.); Siemaszko, Aleksander (Semashko, A.)	T	
ITLE: Sorption of radioactive isotopes on certain ionites		
OURCE: Nukleonika, v. 9, no. 9, 1964, 733-744		
OPIC TAGS: isotope, ion exchange, water sanitation, radicactive contamination		
Abstract: The article reports on the study of some Polish and Soviet ion-exchange materials to determine their suitabiblity		
for decontaminating drinking water to decontaminating drinking water to decontaminating water to deconta		
the mixing and diluting of disintegration products and carriers,		
and the build-up of columns with gravel or steel lilings. All the tested ionites (Polish-made cationites MK2, KK3, Esscarbo; the tested ionites (Polish-made cationites MK2, KK3, Esscarbo; the tested ionite EDE-10-P) were found satisfactory. The effect that the velocity of passage through the column has on the feet that the velocity of passage through the column has on the		
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SMAL, Zbigniew; BULANDA, Jan; HORSKI, Jozef; SIEMASZKO, Aleksander

Sorption of radioactive isotopes on certain ionites. Nukleonika 9 no.9:733-744 164.

1. Special Laboratory, Institute of Nuclear Research, Polish Academy of Sciences, Warsaw.



SMAL, Zbigmiow: Filaida, Jan; HOUSKI, Jozef; SIEMASEKO, Aleksander

Imboratory experiments in decontaminating surface waters by uping sorrents. One wedn techn sanit 38 no.3374-78 Mr *64

1. Institute for Marlenn Benearth, Zeren Branch.

SMALC, A.

Nomenclature of inorganic chemistry. Vest Slov kem dr 8 no.1/2:17-27 Ja-Je '61.

1. Nuklearni institut "J. Stefan," Ljubljana.

SLIVNIK, J.; BRCIC, B.; VOLAVSEK, B.; SMAIC, A.; FRIEC, B.; ZEMLJIC, R.; ANZUR, A.; VEKSLI, Z.

On the synthesis of, and magnetic measurements on, xenon tetrafluoride. Croat chem acta 34 no.3:187-188 162.

1. "Jozsef Stefan" Institute for Nuclear Research, Ljubljana, Slovenia, Yugoslavia (for Slivnik, Brcic, Volavsek, Smalc, Frlec, Zemljic, and Anzur.) 2. Institute "Ruder Boskovic", Zagreb, Croatia, Yugoslavia (for Veksli).

SLIVNIK, J.; SMAIC, A.; ZEMLJIC, A.

80-ampere electrolytic cell for the obtainment of elementary fluorine. Vest Slov kem dr 9 no.3/4:61-64 J1-D '63.

1. Nuklearni institut "Jozef Stefan", Ljubljana.